

PAPER: SUBEX PLACEMENT PAPER (TECHNICAL-C)

1. The output of the following program is

```
#include  
  
main()  
{int n; if(n<=-1)  
{int x=1else  
{  
int x=1;  
}  
}
```

a) Compiler error b) Unpredictable output c) 10 d) 1

2. The correct declaration of a pointer “func” to function returning a “char” and taking no parameters is

- a) char func() * func;
- b) char (*func)();
- c) char* () func;
- d) None of the above

3. The output of the following program is

```
#include  
  
#define arbit 5  
  
main()  
{printf(“%d\n”,arbit}
```

a) 5 b) 6 c) Compiler error d) Runtime error

4. Determine which of the following are valid identifiers

- i. Return
- ii. 123 45 6789
- iii. Record_1
- iv. \$Tax

a) iii & iv b) i & iii c) i,ii & iv d) i & iv

5. The output of the following program is

```
#include  
  
struct x {int a; char *b;} *p;  
  
main()  
  
p=(struct x*) 100;  
  
printf(“%d,%d,%d\n”,p,p+1,&p[2]);
```

a) 100,108,116 b) Compilation error c) 100,104,108 d) 100,103,106

6. What is the output of the following?

```
main()  
  
int a[5]={5,1,15,20,25};  
  
int i=1;  
  
printf(“\n%d%d”,a[i]++,a[++i]);
```

a) 2,16 b) 1,15 c) 1,20 d) 2,1

7. What is the output of the following

```
main()  
  
int a[5]={5,1,15,20,25};  
  
int i=1;  
  
printf(“\n%d%d”,a[i],a[i++]);
```

a) 2,16 b) 1,15 c) 1,20 d) 2,16

8. static float table [2][3]={{1,1,1,2,1,3},{2,1,2,2,2,3}};

What is the value of *((*(table)+1)+1)?

a) 2,2 b)1,2 c) 2,1 d) 2,3

9. What is the output of the following program?

```
#include
```

```
main()  
  
int i,j,x=0;  
  
for(i=0;i<5;++i)  
  
for(j=0;j  
  
x+=(i+j-1);  
  
printf(“%d”,x);  
  
break;
```

a) 1 b) 0 c) 2 d) None of the above

10. Consider the following

i. Pointer to a function that accepts 3 integer arguments and returns a floating-point quantity

```
float(8pf)(int a, int b,int c)
```

ii. Pointer to a function that accepts 3 pointers to integer quantities as arguments and returns a pointer to a floating-point quantity

```
float>(*pf)(int *a,int *b,int *c);
```

a) i is true, ii is true b) i is true,ii is false

c) i is false, ii is false d) i is false, ii is true

11. Consider the following statements

i. An integer quantity can be added to or subtracted from a pointer variables.

ii. Two pointer variables can be added.

iii. A pointer variable can be multiplied by a constant

iv. Two pointer variables of same type can be subtracted.

a) Only ii & iv are true b) Only iii is false c) Only ii is false d) Only i & ii are true

12. If p is a pointer ,what does p[i] mean?

a) Same as $*(p+i)$

b) Same as $*(p+i)$

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- c) Same as $*p+i$
- d) None of the above